

ZYUZEV, N.F.

Spectrum of a phase keyed signal at the output of an ideal
amplitude limiter. Elektrosвяз' 19 no.6:74-75 Je '65.

(MIRA 18:6)

6.9760

35461

S/109/62/007/003/003/029
D234/D302

AUTHOR: Zyuzev, N.F.

TITLE: Detection of periodical pulse signals in the presence of pulse disturbances and incoherent storage

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 3, 1962, 387 - 390

TEXT: The author considers the reception of signals by a receiver, whose detector and storage unit have linear characteristics. It is supposed that the effective voltage of internal noises of the receiver is much smaller than the voltage amplitude of the disturbing pulses. Formulas are obtained which allow determination of the probability of false alarm and that of correct detection (i.e. the probability that the signal with the disturbance will exceed the threshold value at the output of the storage unit), in terms of the signal/disturbance ratio at the input and the magnitude of the threshold. If the probability for at least one disturbing pulse to occur in a certain time interval and the probability of superposi-

X

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Detection of periodical pulse ...

S/109/62/007/003/003/029
D234/D302

tion of a disturbance pulse with a signal are both larger than 0.1 and the number of stored pulses n is larger than 10, the formulas for normal distribution can be used with some error. If the above probabilities are both smaller than 0.1, the distribution of random quantities behind the storage unit approaches the normal distribution only when $n \geq 100$. There are 2 figures and 1 Soviet-bloc reference. X

SUBMITTED: July 10, 1961

Card 2/2

ZYUZEV, N.F.

Concerning the detection of periodic pulse signals in the
presence of impulse interference and incoherent accumulation.
Radiotekh. i elektron. 7 no.3:386-390 Mr '62. (MIRA 15:2)
(Radio--Receivers and reception)
(Pulse techniques (Electronics))

ZYUZIN, A.F.; IL'IN, Ye.V.; LAZAREV, N.I.; SOKOLOV, D.V., inzh.,
nauchnyy red.; SHIROKOVA, G.M., red. izd-va; BOROVNEV, N.K.,
tekhn. red.

[Installing electrical equipment in industrial enterprises and
installations] Montazh elektrooborudovaniia promyshlennykh
predpriatii i ustanovok. Moskva, Gos. izd-vo lit-ry po stroit.,
arkhit. i stroit. materialam, 1961. 283 p. (MIRA 15:2)
(Electric power distribution--Equipment and supplies)

ZYUZIN, Aleksandr Filippovich; PATENOVSKAYA, M.I., red.

[Safety manual for electricians engaged in the installation of electrical equipment in industrial enterprises]
Pamiatka po tekhnike bezopasnosti dlia elektromontera po
montazhu elektrooborudovaniia promyshlennykh predpriatii.
Moskva, Stroiizdat, 1965. 35 p. (MIRA 18:4)

TYUTYUNNIKOV, Anatoliy Ivanovich; ZYUZIN, Arkadiy Ivanovich;
LEONOV, S., red.

[Feeds is the main thing] Korma - glavnoe. Moskva, Mo-
skovskii rabochii, 1964. 79 p. (MIRA 17:8)

ZYUZIN, Arkadiy Ivanovich; TROKHIMOVSKIY, Gay Vladimirovich;
BATSANOV, A.S., kand. sel'khoz. nauk, red.; LEONOVA,
T.S., red.; RAKITIN, I.T., tekhn. red.

[Second bread] Vtoroi khleb. Moskva, Izd-vo "Znanie,"
1963. 31 p. (Novoe v zhizni, nauke, tekhnike. V Seria:
Sel'skoe khoziaistvo, no.21) (MIRA 17:1)
(Potatoes)

ZYUZIN, Arkadiy Ivanovich; KHABAROV, N.

[Profits of state farms] O rentabel'nosti sovkhov. Moskva, Mosk. rabochii, 1961. 45 p.
(State farms) (MIRA 15:2)

MAKAROV, N.I.; SKLYAROV, V.Ya.; ALIKPEROVA, Sh.M.; NADZHAROV, A.F.;
DZEBISASHVILI, Yu.I.; MNATSAKANYAN, A.G.; ODINCHENKO, O.N.;
AZUGAROVA, M.Kh.; ZYUZIN, A.S.

Morbidity from anthrax in animals and humans in Ciscaucasia and
Transcaucasia in 1960-1961: authors' abstract. Zhur. mikrobiol.
epid. i immn. 40 no.5:112-113 My '63. (MIRA 17:6)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta
Kavkaza i Zakavkazya, Azerbaydzhanskoy, Armyanskoy, Gruzinskoy,
Severo-Osetinskoy, Checheno-Ingushskoy respublikanskikh sanitarno-
epidemiologicheskikh stantsiy i Azerbaydzhanskoy protivochumnoy
stantsii.

ZYUZIN, A.S.

Nature of changes in the Kashka-Tash glacier. Izv.Vses.geog.
ob-va 92 no.4:365-369 JI-Ag '60. (MIRA 13:8)
(Kashka-Tash Valley--Glaciers)

ZYUZIN, A.S.

. Nature of temperature fields in cities and the phenomenon of
anomalous lateral refraction. Izv. AN SSSR. Ser.geofiz. no.2:
326-329 F '59. (MIRA 12:2)

1. Dnepropetrovskiy institut inzhenerov zheleznno-dorozhnogo
transporta.
(Atmospheric temperature) (Refraction, Terrestrial)

3(2),3(4)
AUTHOR:

Zyuzin, A. S., Candidate of
Technical Sciences

SOV/6-58-12-4/14

TITLE:

Peculiarities of Angle Measurements in Mountains
(Osobennosti uglovykh izmereniy v gorakh)

PERIODICAL:

Geodeziya i kartografiya, 1958, Nr 12, pp 14-20 (USSR)

ABSTRACT:

For a more accurate study of the conditions under which local fields of refraction occur in various physical-geographical areas, and for a more accurate determination of the quantitative and qualitative distortion of horizontal angles brought about by these fields, experiments were carried out in a gorge in the high mountains in summer 1957, independently of the TsNIIGAIK. The gorge is extending from south-east to north-west. In the south, it is closed by the main ridge and its branches over 4000 meters high. A torrent fed by the glaciers flows through the valley. Glaciers reach down into the valley to a height of 2250 meters, and have a total surface of 30 km². The northern, and partially the southern slopes with a gradient of 30° and over, are covered with wood and grass up to a height of 3000-3300 meters. On account of the investigation, the following

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Peculiarities of Angle Measurements in Mountains

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was found: 1) On quiet sunny days in the mountains, great local refraction fields are formed due to high insulation and the difference in heat-technical properties of the subsoil. The stability of these fields is favored by the orography of mountain regions. The gorges shut off by mountains weaken the mixing of air layers. For this reason, angle measurements in mountain regions may contain big errors due to lateral refraction, which exceed by far the normal error of measurement. 2) In mountain regions, horizontal temperature gradients with a zero value may be observed not only before sunset, but sometimes also later. Therefore, the instructions for the most favorable time of angle measurement (after 16 hours) should be supplemented by a clause for observations in the mountains as in these regions observations may be greatly influenced by lateral refraction in the evening. The problem is to be solved separately for each occasion, considering the orography, the character of the subsoil in individual directions, and illumination of slopes. There are 3 figures, 4 tables, and 3 Soviet references.

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SOV/49-59-2-22/25

AUTHOR: Zyuzin, A. S.

TITLE: The Nature of a Temperature Field in a Town and the Phenomenon of Anomalous Lateral Refraction (Kharakter temperaturnogo polya v gorode i yavleniye anomal'noy bokovoy refraktsii)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 2, pp 326-329 (USSR)

ABSTRACT: When considerable horizontal gradients exist in the atmosphere, lateral refraction of light rays may occur. Such temperature gradients may be found in towns where during the day strong heating of walls of buildings may occur. Such heating will depend on the intensity and the angle of incidence of solar radiation. Lateral reflection distorts the results of measurements of angles in precise geodesical work in towns. This phenomenon was studied by the author and his results are reported in the present paper. It is assumed (Fig 1) that an object B is observed at a point A parallel to the y-axis and that a horizontal gradient of the refractive index exists between A and B. The gradient α is such as to bend the light ray downwards (along the x-axis) and it is given

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The Nature of a Temperature Field in a Town and the Phenomenon of Anomalous Lateral Refraction

by $n = n_0 + \alpha x$, where n_0 is the refractive index at a point where the ray is parallel to AB. Assuming that the angle of lateral refraction γ is small, the author found:

$$\gamma = \frac{S\alpha}{2n_0} \quad (1)$$

where S is the ray path AOB. The value of n is a function of pressure and temperature of the atmospheric air. It is usually assumed that $(n - 1) = c\rho/\rho_0$, where ρ is the density of air and ρ_0 is the density at normal pressure p_0 and normal temperature T_0 . The value of c is 2.925×10^{-4} at $\lambda = 5980 \text{ \AA}$. The effect of the horizontal pressure gradient on lateral refraction can be neglected compared with the term $(p/T)(dT/dx)$. Then the angle of lateral refraction γ is given (in seconds) by:

$$\gamma'' = 10'', 84 \frac{S}{T} \left[\frac{dp}{dx} - \frac{p}{T} \frac{dT}{dx} \right] \quad (2)$$

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where p is in mm Hg. Eq (2) shows that for a constant value of S and small changes in the coefficient p/T^2 the value of lateral refraction angle γ depends primarily on the horizontal temperature gradient dT/dx . To investigate the effect of a temperature field in a street of a town (Dnepropetrovsk) very close to walls of large buildings, the author measured horizontal angles near such walls. These angles were measured with a mean error of $\pm 1''.5$. The air temperature across a street was measured by means of an aspiration thermometer and thermoelectric couples. At the moment of measurement of an angle the author also noted the wind velocity, the amount of cloud and the visibility. It was found that measurement of horizontal angles can be considerably distorted by the horizontal temperature gradients existing in town streets at a height of about 1.5 m above the ground level. On clear, sunny days the observed value of the horizontal angle whose sides were at a distance of 0.75 m from the nearest wall exposed to the sun, was found

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to vary systematically during the day because of lateral refraction. Such variations reached up to 20" (see table on p 327) in the middle of the day, falling back to 0" in the morning and in the evening. Variations of the measured horizontal angles were much smaller on cloudy days or on those sides of the streets which were in shadow. Winds of velocities higher than 3-4 m/sec destroyed the temperature fields and consequently lateral refraction became negligible. Lateral refraction could also be decreased by moving the theodolite and the associated equipment used for measurement of horizontal angles, away from walls exposed to the sun. Under the worst conditions lateral refraction may be observed at distances up to 2-3 m from walls. Fig 2 shows three curves which represent the distortion of the observed horizontal angle at distances of 0.5, 1.25 and 1.75 m from a wall. These distortions are given in seconds of angle as a function of the time of day. Fig 3 shows the temperature field across a street at midday on April 30 on a calm, sunny day. The street ran in a North-easterly direction. This figure shows that the temperature gradients at distances up to 5 m from the walls were 0.1° per metre and more, increasing

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SOV/49-59-2-22/25

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considerably near the walls. To find the relationship between lateral refraction and its effect on measurement of horizontal angles with the intensity of solar radiation, the author calculated the latter for two cases with the same meteorological conditions (calm, sunny days) with the streets oriented in different ways. In each case the theodolite and the staff were placed at a distance of 0.70-0.75 m from a wall. In the first case the street ran in a North-easterly direction, and in the second case in a South-easterly direction. Fig 4 compares the experimental values of distortion of the measured horizontal angle with calculated intensities

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SOV/49-59-2-22/25

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of direct solar radiation falling on a vertical surface. The curves show that variations in the horizontal angle during a day follow fairly well the curves of intensity of solar radiation received at a vertical wall. There are 4 figures, 1 table and 2 Soviet references.

ASSOCIATION: Dnepropetrovskiy institut inzhenerov zh.-d.transporta
(Dnepropetrovsk Institute of Railway Transport Engineers)

SUBMITTED: January 28, 1958.

Card 6/6

25568

Lednik Kashka-tash. Izvestiya Vsesoyuz. Geogr. O-va, 1949, VYP. 4 c. 429 - 30

SO: LETOPIS No. 34

ZYUZIN, A. S.

Zyuzin, A. S.

"The Effect of Lateral Refraction on the Precision of Measurement of Horizontal Angles under the Conditions of Building Sites." Min Higher Education USSR. Belorussian Polytechnic Inst imeni I. V. Stalin. Chair of Geodesy, Minsk, 1955. (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis', No. 27, 2 July 1955

ZYUZIN, A.S., kandidat tekhnicheskikh nauk.

Lateral refraction in connection with angle measurements at traversing stations in cities. Geod.i kart. no.6:18-26 Ag '56.

(MLRA 9:11)

(Refraction, Terrestrial)

(Traverses (Surveying))

ZYUZIN, A.V., podpolkovnik, voyenny letchik pervogo klassa

At the head of the flight even in combat. Vest.Vozd.Fl. no.8:29-
32 Ag '60. (MLA 13:9)

(Air warfare)

N/5
917.438
.29

Zyuzin, Dmitriy Vasil'yevich

Ispytaniye skorost'yu (An experiment
in speed) Moskva, "Molodaya Gvardiya", 1958.

157 p. illus.

Bibliographical footnotes.

N/5
743.11
.29

Zyuzin, Dmitriy Vasil'yevich

V nebe "TU-104" [In the sky, the
"TU-104", by] D. Zyuzin i A. Markusha.
Moskva, Izd-vo "Molodaya Gvardiya",
1957.

60 p. illus., diags., maps, tables.

Bibliographical footnotes.

ZYUZIN, Dmitriy Vasil'yevich, letchik-ispytatel', Geroy Sovetskogo
Soyuza; PEREPELTSKAYA, A.G., red.

[Along the trail of clouds] Po oblachnomu sledu. Moskva,
Sovetskaia Rossiia, 1965. 276 p. (MIRA 18:6)

AUTHOR: Mal'ginov, N.

85-58-6-11/43

TITLE: Valuable Handbook (Tsennoye posobiye)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 6, p 5 (USSR)

ABSTRACT: The author reviews three new books. The first, by N. K. Pyneyev entitled "Action of a Plane's Crew" When Compelled to Land in an Uninhabited Area" (Deystviya ekipazha samoleta vynuzhdenno-popavshego v bezlyudnyu mestnost'), is published by Voenizdat, 1957. The second, a pamphlet by D. Zyuzin and A. Markusha, entitled "Tu-104 in the Air" (V nebe Tu-104), published by Molodaya Gvardiya (Young Guard) Moscow, 1957, reviews briefly the development of Soviet aviation; the third new book by M. V. Vodop'yanov, well known polar pilot, is entitled "In the Air and on the Ground" (V vozdukhie i na zemle), Khabarovsk, 1957.

1. Civil aviation--USSR 2. Books--Review

Card 1/1

Call Nr: Not given

AUTHOR: Zyuzin, Dmitriy Vasil'yevich and Markusha, Anatoliy Markovich

TITLE: The TU-104 in the Sky (V nebe TU-104)

PUB. DATA: Izdatel'stvo Tsentral'nogo komiteta Vsesoyuznogo Leninskogo
kommunisticheskogo soyuza molodezhi "Molodaya gvardiya, "Moscow,
1957, 62 pp., 100,000 copies

ORIG. AGENCY: None given

EDITOR: Fedchenko, V.; Tech. Ed.: Shuvalov. I.

PURPOSE: Publicity.

COVERAGE: The author states that the TU-104 is the first multi-passenger,
high-speed airplane to have opened a new era in air transportation
the era of jet aviation. This booklet describes how this air-
plane was designed, built and tested and how a Soviet design
group works in creating new aircraft prototypes.

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Call Nr: Not given

The TU-104 in the Sky (cont.)

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The TU-104 Passes an Examination	27
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The TU-104--an Airplane for Everyone	53
Speed Knows No Limits	57

AVAILABLE: Library of Congress

Card 2/2

YUR'YEV, M.; ZYUZIN, F.

Metal for our homeland. Sov.profsoiuzy 6 no.18:20-22 D '58.
(MIRA 12:2)

1. Direktor Gor'kovskogo metallurgicheskogo zavoda (for Yur'yev).

2. Predsedatel' zavkoma Gor'kovskogo metallurgicheskogo zavoda
(for Zyuzin).

(Gorkiy--Metalworkers)

ZYUZIN, F. S.

Tractors

Spark extinguisher for tractors working the the fields extracting out peat.
Torf. prom. 29, No. 6, 1952

Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified.

ZYUZIN, F.S.

Consumption of metal in repairing peat machinery. Torf.prom. 30 no.9:15
S '53. (MLRA 6:8)

1. Orekhovo-Zuyevskiy torfotrest.

(Machinery--Repairing)

F. S. Zhukin and A. N. Matrosovich, Ratsionalizatory proizvodstva Orekhovskogo torfopriiska
(Rationalizers of the Orekhov Peat Trust Enterprises), Gosizdat.

The brochure describes the work experience of stakhanovites and rationalizers of peat enterprises. A description of the machines and devices suggested by rationalizers of these enterprises is included.

The brochure is intended for workers of the peat industry.

SÓ: Sovetskize knigi (Soviet Books), No. 183, 1953, Moscow, (U-6472)

ZYUZIN, F.S.; POLIKARPOV, A.A.; VARENTSOV, V.S., redaktor; SEVORTSOV, I.M.,
tekhnicheskii redaktor

[Innovators in peat enterprises of the Orekhovo-Zuyevo peat trust]
Novatory torfopredpriatii Orekhovo-Zuevskogo torfotresta. Moskva,
Gos. energ. izd-vo, 1956. 31 p. (MIRA 10:2)
(Orekhovo-Zuyevo--Peat industry)

ZYUZIN, Fedor Stepanovich; YARTSEV, Aleksandr Konstantinovich; VARNTSOV,
V.S.; Redaktor; MEDVEDEV, L.Ya., tekhnicheskii redaktor

[Repair of peat cutting machines] Remont mashin frezernogo sposoba
dobychi torfa. Moskva, Gos.energ.izd-vo, 1957. 239 p. (MLRA 10:10)
(Peat machinery--Maintenance and repair)

ZYUZIN, F.S., inzh.

Manufacture of peat-mineral-ammonia fertilizers. torf. prom.
40 no.4:16-20 '63. (MIRA 16:10)

1. Orekhovo-Zuyevskiy torfokombinat Moskovskogo soveta narodnogo
khozyaystva.
(Peat) (Fertilizers and manures)

ZYUZIN, Fedor Stepanovich; YARTSEV, Aleksandr Konstantinovich;
SMIRNOV, V.V., red.; LARIONOV, G.Ye., tekhn. red.;

[Repairing peat machinery] Remont torfianykh mashin. Mo-
skva, Gos.energ.izd-vo, 1961. 382 p. (MIRA 15:2)
(Peat machinery—Maintenance and repair)

ZYUZIN, F.S., inzh.; SAVENKO, I.V., inzh.

Industrial production of peat fertilizers and manures at
the peat works of the Moscow Province Economic Council. Torf.
prom. 36 no.6:4-8 '59. (MIRA 13:2)

1. Orakhovskiy torfotrest (for Zyuzin). 2. Mosoblsovnarkhoz
(for Savenko).

(Moscow Province--Peat)

(Moscow Province--Fertilizers and manures)

POLIKARPOV, A.A., inzh.; ZYUZIN, F.S., inzh.

Operation of UMPY-4 peat-winning machines fitted with milling drums.
Torf.prom. 35 no.2:16-17 '58. (MIRA 11:5)

1. Orekhovo-Zuyevskiy torfotrest.
(Peat machinery)

ZYUZIN, Grigoriy Vasil'yevich; NOZDRIN, Ivan Tikhonovich; MAKAROVA,
E.A., red.; ANDREYEVA, L.S., tekhn. red.

[Wages in the construction industry] Oplata truda v stroitel'-
stve. Moskva, Profizdat, 1962. 175 p. (MIRA 16:4)
(Wages--Construction workers)

NESTEROVICH, V.P.; NOSENKO, Yu.I.; ZYUZIN, I.I., inzh., retsenzent;
ARSHINOV, I.M., inzh., red.; VOROB'YEVA, L.V., tekhn.red.

[Repair of six-axle gondola cars] Remont shestiosnykh poluvagonov; opyt vagonnogo depo st. Volnovakha Donetskoi dorogi. Moskva, Transzheldorizdat, 1963. 82 p.

(MIRA 17:2)

ZYUZIN, Ivan Ivanovich; VAKULENKO, Sergey Mikhaylovich; SARANTSEV,
Yu.S., red.

[Organization and technology of the repair of freight cars;
work practices of the Taiga Station depot of the Western
Siberia Railroad] Organizatsiia i tekhnologiya remonta gru-
zovykh vagonov; opyt raboty vagonnogo depo st. Taiga Zapadno-
Sibirskoi dorogi. Moskva, Transport, 1964. 74 p.
(MIRA 17:9)

ZYUZIN, I. K.		PROCESSES AND PROPERTIES INDEX	
ca		114	
<p>Effect of adrenaline, pilocarpine and insulin on the symptom-complex of air sickness. I. K. Zyuzin, <i>Arch. sci. biol.</i> (U. S. S. R.) 40, No. 1, 37-40 (1940).—On injection of 1 mg. of adrenaline the symptoms are delayed and may recur on swinging on a 4-rod swing, or do not occur at all. When injected with 0.01 g. of pilocarpine, 50% of persons previously able to withstand swinging became sick in 10-15 min. of swinging. Twenty units of insulin had the same effect in 3 out of 5 cases tested. An increased tonus of the splanchnic nerve predisposes to air sickness and a hypertonus of the sympathetic nervous system inhibits the syndrome. Air sickness and London's insulin test. <i>Ibid.</i> 41-5.—London's test is based on quant. detn. of insulin excreted by the pancreas after ingestion of a standardized blood-sugar stimulant (<i>C. A.</i> 32, 4630⁴). The blood of the person, when injected into fasted mice, will decrease the mouse blood sugar. Five persons were tested before and after swinging. The blood of 4 persons injected into mice after swinging decreased the mouse blood-sugar level obtained before swinging and in one case increased it. This one case withstood swinging without symptoms of air sickness. The others had symptoms in 3-15 min. of swinging. The test deserves further study with regard to its application in the selection of flying cadets. T. Langes</p>			
ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION			
147080 24		147080 24	
147080 24		147080 24	

ZYUZIN, I.K., professor, doktor meditsinskikh nauk.

Restoration of visual illusory perception in cranio-cerebral
trauma under the effect of certain drugs. Trudy Gos.inst.po
izuch.mozga 15:158-162 '47. (MIRA 7:2)

1. Iz Gos.Institutu Mozga im. Bekhtereva (direktor deystvitel'nyy
chlen Akademii meditsinskikh nauk, sasluzhenyy deyatel' nauki
professor V.P.Osipov) i Psikhonevrologicheskogo Instituta im.
Bekhtereva (direktor professor V.N.Myasishchev).
(Drugs) (Brain--Wounds and injuries) (Senses and sensation)

ZYUZIN, I. K.

Zyuzin, I. K. - "V. M. Bekhterev and modern times," Vrachob.
delo, 1949, No. 2, columns 169-74, with portrait

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

Zyuzin, I. K.

36957. Travma golovnogo mozga i antitoksicheskaya kar'yernaya funktsiya pecheni.
Nevropatologiya i psikiatriya, 1949, No. 6, c. 8-11

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

7
ZIUZIN, I. K.

V. M. Bekhterev as a pioneer of contemporary teaching on the relation
of the cerebral cortex and internal organs. Nevropat, psikhiat.,
Moskva 19:3, May-June 50. p. 3-8

GLML 19, 5, Nov., 1950

ZYUZIN, I.K.

Effect of constant descending current on blood pressure in hypertension.
Nevropat. psikhiat., Moskva 20 no.6:54-56 Nov-Dec 51. (CML 21:4)

**1. Professor. 2. Of the Academy of Medical Sciences USSR and of the
Clinic for Nervous Diseases (Director--Prof. I.Ya. Rasdol'skiy, Corres-
ponding Member of the Academy of Medical Sciences USSR), Leningrad
Sanitary-Hygienic Medical Institute.**

ZYUZIN, I. K. (PROF)

Nervous System - Wounds and Injuries

Restoration of disturbed motor functions in organic injuries of the central nervous system in the light of Pavlov's theory of the higher nervous activity. Zhur. nevr. i psikh. 52 No. 8, 1952.

Monthly List of Russian Accessions. Library of Congress. November 1952 Uncl.

ZYUZIN, I. K., PROF.

Leningrad

Iz Akademii meditsinskikh nauk SSSR i kliniki nervnykh boleznei (dir. - Prof. I. YA. Razdol'skii) Leningradskogo sanitarno-gigienicheskogo meditsinskogo instituta

Zhur.nevr. i psikh., 52, 8, avgust, 1952

ZYUZIN, I.K.

Antitoxic function of the liver in hypertension. Klin. med., Moskva
31 no. 1:89 Jan 1953. (CML 24:1)

1. Professor. 2. Of the Clinic for Nervous Diseases (Director --
Corresponding Member of the Academy of Medical Sciences Prof. I. Ya.
Bazdol'skiy), Leningrad Sanitary Hygienic Medical Institute.

ZYUZIN, I.K.

Functional lability (mobility) of the motor analyzer in epilepsy.
Zhur. nevr. i psikh. 54 no.7:543-548 J1 '54. (MIRA 7:7)

1. Institut psikiatrii Ministerstva zdavookhraneniya SSSR.
(EPILEPSY, physiology,
*motor analyzer, lability)

ZYUZIN, I.A.

ZYUZIN, I.K., professor (Moskva)

Using radioactive isotopes in neuropsychiatric practice. Kih.
med. 33 no.6:44-48 Ja '55. (MLRA 8:12)

1. Iz Instituta psikhiatrii Ministerstva zdavookhraneniya SSSR.
(ISOTOPES, ther. use
neuropsychiatric dis.)
(CENTRAL NERVOUS SYSTEM, dis.
ther. isotopes)
(MENTAL DISORDERS, ther.
isotopes)

ZYUZIN, I.K.

Effect of radioactive isotopes on electrical activity of the brain
in epilepsy. Zhur.nevr.i psikh. 55 no.3:205-209 '55. (MLRA 8:7)

1. Nevrologicheskoye otdeleniye (sav. prof. I.K.Zyuzin) Instituta
psikhiatrii Ministerstva zdavookhraneniya SSSR (dir. dotsent D.D.
Fedotov).

(ISOTOPES, effects,

on EEG in epilepsy)

(ELECTROENCEPHALOGRAPHY,

eff. of radioactive isotopes in epilepsy)

(EPILEPSY, physiology,

eff. of radioactive isotopes on EEG)

ZYUZIN, I.K.; ZAICHKINA, T.S. (Moskva)

Effect of radioactive isotopes on artificially induced convulsions
in animals. Zhur.navr.i psikh. 55 no.5:343-344 '55. (MIRA 8:7)

1. Institut psikhiatrii (dir. -dotsent D.D.Fedotov) Ministerstva
zdravookhraneniya SSSR.

(CONVULSIONS, experimental,
eff. of radioisotopes)
(ISOTOPES, effects,
on exper. convulsions)

T-10

USSR/Human and Animal Physiology - Nervous System.
Cortex of Cerebral Hemispheres.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32171

Author : Zyuzin, I.K.

Inst :

Title : On the Lability of the Peripheral End of the Motor
Analysor as an Indicator of the Functional Changes of
Brain Hemispheres.

Orig Pub : V sb.: Ucheniye N.Ye. Vvedenskogo v klinich. proktike.
Odessa, 1957, 31-34.

Abstract : No abstract.

Card 1/1

USSR/Human and Animal Physiology, The Nervous System

T-12

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65713

Author : Zyuzin I.K., Drasnova A.I.

Inst : -

Title : Changes in Metabolic-Enzymatic Processes in the Blood of Patients with Epilepsy under the Effect of Small Doses of Radioactive Phosphorus.

Orig Pub : B. sb.L Vopr. psikhiatrii, Vyp. 2, Moscow, 1957, 146-148

Abstract : No abstract

Card : 1/1

ZYUZIN, I.K.

Use of radioactive isotopes in the diagnosis of organic affections
of the brain [with summary in French]. Zhur.nevr. i psikh. 57 no.2:
241-245 '57. (MIRA 10:6)

1. Nevrologicheskoye otdeleniye (zav. - prof. I.K.Zyuzin)
Instituta psikiatrii Ministerstva zdravookhraneniya SSSR, Moskva.
(BRAIN, wounds and inj.
localization of obscure lesions by isotopes)
(ISOTOPES
use in localization of obscure lesions of brain)

ZYUZIN, I.K., prof., KRASHOVA, A.I., mladshiy nauchnyy sotrudnik

Effect of small doses of radioactive phosphorus on nitrogen metabolism, hemopoiesis, and the function of the cardiovascular system. Vest.rent. 1 rad. 33 no.3:75-76 Ky-Je '58 (MIRA 11:8)

(PHOSPHORUS, radioactive

eff. on nitrogen metab., hemopoietic system., & cardiovasc. funct. (Rus))

(NITROGEN, metab.

eff. of radiophosphorus (Rus))

(HEMOPOIETIC SYSTEM, eff. of radiations on radiophosphorus (Rus))

(CARDIOVASCULAR SYSTEM., eff. of radiations on radiophosphorus, on funct. (Rus))

ZYUZIN, I.K.; STOLBOV, D.D.

Investigation of thyroid gland function in metal patients by
means of radioactive iodine. Vop. psikh. no. 3:374-381 '59.

(MIRA 13:10)

(THYROID GLAND) (IODINE--ISOTOPES) (METAL ILLNESS)

ZYUZIN, I.K.

Significance of some trace elements in the development of
radiation pathology. Radiobiologiya 3 no.3:364-368 '63.
(MIRA 17:2)

L 11239-63

ACCESSION NR: AP3001061

EWI(1)/EWI(m)/PDS--AFFTC/AMD/ASD--AR/K

8/0204/63/003/003/0364/0368

54

AUTHOR: Zyuzin, I. K.

TITLE: The significance of certain microelements in the development of radiation pathology

SOURCE: Radiobiologiya, v. 3, no. 3, 1963, 364-368

TOPIC TAGS: microelements, cobalt, copper, free radicals, radiation pathology

ABSTRACT: The article discusses the role of microelements in physiological and pathological processes of an organism based on twenty-nine different books and articles listed in the bibliography. The author shows the importance of microelements and then raises the question of what happens to them, particularly cobalt and copper, when an organism is irradiated. The liver is the main tissue in the organism for storing cobalt and copper, and their content decreases with radiation damage. Cobalt and copper enter the blood stream and are absorbed by the other tissues. According to several sources cited, the natural antioxidantizing agents are inactivated during irradiation and this leads to acceleration of oxidizing processes and accumulation of free radicals and peroxides. The author concludes that the increased content of cobalt and copper in the blood and tissues (except the liver) of

Card 1/2

L 11239-63

ACCESSION NR: AP3001061

irradiated animals, which induces development of hypoxia and lowers activity of the tissues, may be considered as a protective reaction increasing the radioresistance of the organism. On the other hand, concentrations of cobalt and copper in the blood and tissues can also have a negative effect aggravating the development and course of radiation pathology. Orig. art. has: 3 figures.

ASSOCIATION: None

SUBMITTED: 12Aug62

DATE ACQD: 01Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 029

OTHER: 000

ch/wm
Card 2/2

ZYUZIN, I.M.; KOMAROV, P.S.

Important resources for increasing crop yields. Zashch. rast.
ot vred. 1 bol. 6 no.10:8-9 0 '61. (MIRA 16:6)

1. Pervyy sekretar' Kalacheyevskogo rayonnogo komiteta
Kommunisticheskoy partii Sovetskogo Soyuza (for Zyuzin).
2. Agronom po zashchite rasteniy sel'skogo khozyaystva
Kalacheyevskogo rayona, Voronezhskoy oblasti (for Komarov).
(Kalach District(Voronezh Province)—Plants,
Protection of)

ZYUZIN, N.I.

Transition of metamict zircons to crystalline. Dokl. AN SSSR 154
no.5:1094-1095 F'64. (MIRA 17:2)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.
Predstavleno akademikom V.S. Sobolevym.

PLEKHANOVA, Ye.A.; GOLUBOVA, G.A.; ZYUZIN, N.I.

Mullite - iron oxide solid solution. Izv. SO AN SSSR no.3 Ser.
khim. nauk no.1:48-54 '65. (MIRA 18:8)

1. Institut fiziko-khimicheskikh osnov pererabotki mineral'nogo
syr'ya Sibirskogo otdeleniya AN SSSR, Novosibirsk.

ZOLOTUKHIN, V.V.; VASIL'YEV, Yu.R.; ZYUZIN, N.I.

High-ferriferous variety of prehnite and a new diagram for prehnites. Dokl. AN SSSR, 164 no.6:1390-1393 0 1965.

(MIRA 18:10)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.
Submitted May 25, 1965.

ZOLOTUKHIN, V.V.; VASIL'YEV, Yu.R.; ZYUZIN, N.I.

High-ferruginous pumpellyite (lotrite) from the Noril'sk region and a new diagram for pumpellyites. Dokl. AN SSSR 165 no.5:1156-1159 D '65. (MIRA 19:1)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR. Submitted March 6, 1965.

24 (8)

AUTHORS: Zhuravlev, N. N., Stepanova, A. A., SOV/56-37-3-55/62
Zyuzin, N. I.

TITLE: On the Problem of the Superconductivity of the Compound BiPt

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 37,
Nr 3(9), pp 880 - 881 (USSR)

ABSTRACT: The critical temperatures for BiPt found by various authors partly differ considerably. Whereas, e.g., according to Matthias, $T_c = 1.21^\circ\text{K}$, N. Ye. Alekseyevskiy et al. found 2.4°K , but he also showed that in some BiPt-alloys superconductivity does not occur down to 1.5°K (Refs 2,3). As shown by reference 4, BiPt crystallizes only in one form viz. hexagonally with the parameters $a = 4.20$ and $c = 5.55 \text{ \AA}$ (NiAs-structure). Radiographical investigations carried out by the authors of this "Letter to the Editor" gave the same result. Temperature investigations also showed that it crystallizes in NiAs-structure, and the thermal expansion coefficients (parallel and perpendicular to the hexagonal axis) were determined as amounting to $(4.0 \pm 1.0) \cdot 10^{-6} \text{ degree}^{-1}$ and $(19.0 \pm 2.0) \cdot 10^{-6} \text{ degree}^{-1}$.

Card 1/3

On the Problem of the Superconductivity of the
Compound BiPt

SOV/56-37-3-55/62

The authors investigated several BiPt-alloys of different composition also stoichiometrical ones, and subjected them to different types of thermal treatment. It was, however, found again that in all cases the BiPt-phase in an AsNi-structure crystallizes, and the lattice parameters were determined as amounting to $a = 4.315$ and $c = 5.490 \pm 0.005 \text{ \AA}$. The alloys were investigated radiographically by means of the powder method, and the maximum change of the volume of an elementary cell was found to amount to $\sim 0.8\%$ as against the stoichiometric composition (48.3% by weight Pt). This reduction of the elementary cell was found at 45% by weight Pt. The change of the size of the elementary cell and the herewith connected variation of the distance between two Bi-atoms might be responsible for the variation of T_c ; already in a previous paper (Ref 7) it was shown that a decrease of the minimum interatomic Bi-Bi distances leads to an increase of T_c . The authors thank Professor G. S. Zhdanov and N. Ye. Alekseyevskiy for discussions. There are 7 references, 5 of which are Soviet.

Card 2/3

On the Problem of the Superconductivity of the
Compound BiPt

SOV/56-37-3-55/62

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: June 13, 1959

Card 3/3

ZYUZIN, N.M.

PHASE I BOOK EXPLOITATION

DTI/5660

Nauchno-tekhnicheskoye otkrytiye mashinostroitel'noy promyshlennosti.
Tsentral'noye pravleniye. Sestitsiya razvitiya i modernizatsii stroitel'stva

Modernizatsiya i remont oborudovaniya mashinostroitel'nykh zavodov (Modernization
and Repair of Machine-Building Plant Equipment) Moscow, Mashgiz, 1959.
261 p. Errata slip inserted. 6,100 copies printed.

Ed. (Title page): S.A. Koskin, Candidate of Technical Sciences; Ed. (Inside book):
A.T. Popov, Engineer; Tech. Ed.: V.B. El'kind; Managing Ed. for Literature on
Metalworking and Machine-Tool Construction (Mashgiz): B.D. Berezil'man, Engineer;
Editorial Board: S.A. Koskin (Chairman), Candidate of Technical Sciences;
Yu.N. Borisov, Engineer; V.B. Platnev, Engineer; V.I. Mikhaylovsky, Engineer;
and V.F. Golov, Engineer.

PURPOSE: This collection of articles is intended for technical personnel dealing
with modernization and overhaul of equipment.

COVERAGE: The articles in this collection deal with the basic trends and a number
of specific problems in the modernization of the machine industry. Modernization
of foundry, forging-shop, and crane equipment and problems in the automation of
equipment repair are discussed. Information is given on the use of unitized

Felonskiy, R.A. (Engineer). Practices of Machine-Tool Modernization 160

Gusev, V.N. (Engineer). Attachments for Shortening Setup Time in
Equipment Modernization 185

Gleyzer, V.Ye. (Engineer, Mashkovsky termozavod (Moscow Brakes
Plant)), L.M. Dal'skiy, (Candidate of Technical Sciences, NITU Izum
Bureau). Measurement of the Constructional Rigidity of Metal-Cutting
Machine Tools During Repair and Modernization 214

Prokhorov, V.I. (Engineer, Chelabinskii traktorny zavod (Chelabinsk
Tractor Plant)). Use of Automatic Vibrators Hard Filing (With
Vibrating Electrodes) 228

Eysin, N.M. (Engineer). Sulfidation of Parts of Machine-Tool Equipment 256

Pilyubova, P.Y. Mechanization of Repair Work and the Use of
Progressive Equipment 261

Shcheglov, V.Y. (Candidate of Technical Sciences, TskhIMASH).
Vibroisolation of Foundations of Forging Hammers 274

AVAILABLE: Library of Congress
Card 5/4

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470214
ANDRONIKOV, Nikolay Grigor'yevich, kand.voyennykh nauk, dots., polkovnik;
BEGISHEV, Aleksandr Semenovich, kand.voyennykh nauk, dots.,
polkovnik; KALACHEV, Ivan Georgiyevich, kand.voyennykh nauk, dots.,
polkovnik; KRASNOV, Izrail' Isayevich, kand.voyennykh nauk, dots.,
polkovnik; TEREKHOV, Petr Vasil'yevich, kand.voyennykh nauk, dots.,
polkovnik; ZYUZIN, N.M., polkovnik, red.; SOROKIN, V.V., tekhn.
red.

[Armored and mechanized forces of the Soviet Army; a brief account of
their development and battle experiences] Bronstankovye i mekhanizirovannye voiska Sovetskoi Armii; kratkii ocherk razvitiia i boevogo puti. Moskva, Voen. izd-vo M-va obor. SSSR, 1958. 263 p. (MIRA 11:5)
(Russia--Army)

ZYUZIN, N.T., KOLYCHEV, N.H., SOLUKHA, A.K.

E.B. Rabkin's pigment tables for investigating acquired disorders
in color sensation. Probl.fiziol.opt. 12:497-499 '58 (MIRA 11:6)

1. Kafedra oftalmologii Voenno-meditsinskoy akademii ordena
Lenina im. S.M. Kirova.
(COLOR BLINDNESS)
(OPTICS--TABLES, ETC.)

ZYUZIN, P.

Hidden potentialities for railwaymen are not yet exhausted. Sots.
trud 7 no.11:123-124 N '62. (MIRA 15:12)
(Moscow--Railroads--Salaries, pensions, etc.)

ZYUZIN, P.I., inzhener.

Vertical hodograph for a two-layer medium. Trudy Akad.neft.prom.
no.1:152-165 '54. (MIRA 8:2)
(Hodograph)(Prospecting--Geophysical methods)

BAKHVALOV, I., direktor; STEPANOV, V., zavednyushchiy partkabinetom; KYUZIN, S.,
frezerovshchik-rastochnik; KSENOKRATOV, V., inzhener; KOZHEVNIKOVA, N.,
nachal'nik tokarno-otdelochnogo otdeleniya, laureat Stalinskoy premii;
UL'YANOV, M., predsedatel' tsekhkoma sborochnogo tsakha; NAUMOV, A.,
brigadir komsomol'sko-molodezhnoy brigady; DUDKIN, I., dotsent, direktor;
ZHUKOV, P., tokar'.

[In a progressive plant; accounts of workers and technical engineering
workers of the Moscow Order of the Red Banner of Labor Second State Bearing
Plant] Na peredovom zavode; rasskazy rabochikh i inzhenerno-tekhnicheskikh
rabotnikov Moskovskogo ordena Trudovogo Krasnogo Znameni 2-go Gosudarstven-
nogo podshipnikovogo zavoda. [Moskva] Profizdat, 1952. 94 p. (MLBA 6:5)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni vtoroy Gosudarstvennyy pod-
shipnikovyy zavod. 2. Vecherniy mashinostroitel'nyy institut (for Dudkin).
(Efficiency, Industrial)

ANTONOV, V.Ya., dotsent, kand.tekhn.nauk; BELOVIDOV, I.D., dotsent, kand.
tekhn.nauk; BELOKOPIYTOV, I.Ye., dotsent, kand.sel'skokhoz.nauk;
GORYACHKIN, V.G., prof., doktor.tekhn.nauk; ZYUZIN, V.A., starshiy
prepodavatel'; SEMENSKIY, Ye.P., dotsent, kand.tekhn.nauk; CHULYU-
KOV, M.A., dotsent, kand.tekhn.nauk; VARENTSOV, V.S., dotsent, kand.
tekhn.nauk, red.; BORUNOV, N.I., tekhn.red.

[General course in the technology of peat winning] Obshchii kurs
tekhnologii torfodobyvaniia. Moskva, Gos.energ.isd-vo, 1959. 339 p.
(MIRA 13:2)

1. Chlen-korrespondent AN BSSR (for Goryachkin).
(Peat industry)

ABKHAZI, V.I.; ANTONOV, V.Ya.; BELOKOPYTOV, I.Ye.; VARENTSOV, V.S.; GORYACHKIN, /
V.G.; ZYUZIN, V.A.; KRYUKOV, M.N.; KUZHEAN, G.I.; OZEROV, B.N.;
RIVKINA, Kh.I.; SEMENSKIY, Ya.P.; SOKOLOV, A.A.; SOLOPOV, S.G.; STRELKOV,
S.S.; TYUREMNOV, S.N.; CHULYUKOV, M.A.

Sergei Alekseevich Sidiakin. Torf.prom. 38 no.2:40 '61. (MIRA 14:3)
(Sidiakin, Sergei Alekseevich, 1897-1960)

ABKHAZI, V.I.; ANTONOV, V.Ya.; BLYUMENBERG, V.V.; VARENTSOV, V.S.;
VELLER, M.A.; ZYUZIN, V.A.; IVANOV, V.N.; KUZMAN, G.I.;
LUKIN, A.V.; MATVEYEV, A.M.; OZEROV, B.N.; PAL'TSEV, A.G.;
PEROV, N.P.; PROKHOROV, N.I.; RAKOVSKIY, V.Ye.; SEMENSKIY, Ye.P.;
SOLOPOV, S.G.; TYUREMNOV, S.N.; TSUPROV, S.A.; CHULYUKOV, M.A.

Viktor Georgievich Goriachkin; obituary. Torf.prom. 39 no.4:40
'62. (MIRA 15:7)

(Goriachkin, Viktor Georgievich, 1893-1962)

ZYUZIN, Vladimir Aleksandrovich.

The working of peat deposits for fuel; textbook. Moskva Gos. energ.
izd-vo, 1947. 343 p. (48-26894)

TN837.258 1947

SHTEYNBERG, S. S. ; ZYUZIN, V. I.

Transformation of Austenite in High-Speed Steel; Ural Metallurgy No. 1, 32, 1934.
Arch. f. d. Eisenhuttenwes. 9, 537, 1934

SH. SHUBALOV, S. D.; GIUZIN, V. I.

Study of the Transformation of Austenite in Carbon and Certain other Special
Steels at Low Temperatures

Metallurgist 8, 3, 1936

CHERNOMIR, S.; ZIL'IN, V.; GOL'DIN, I.

Research on the Transformation of Austenite in Chromo-Silicon Steel

Rev. de Metallurgie No.2, 190, 1937

ca

9

Apparatus for the determination of C in Fe-C alloys
 I. Zynin and V. D. Salovskii. Russ. 35,475, Aug.
 31, 1930. Construction details of an app. showing the
 C content by the change of magnetic properties with temp.
 Ni-Cr dental alloy. Erich Hengler and Adolf Wals (to
 Stahlwerke Röchling-Ruderns A.-G.). Ger. 738,717,
 July 22, 1943 (Cl. 406.14). An alloy of C less than 0.50,
 Mn 0.50-3.00, Si 0.00-3.00, Cr 10.00-25.00, Ni 20-80,
 Mo 1.00-7.00, Al 0.50-8.00, Cu 0.00-5.00% and the rest
 Fe plus the usual impurities is used for casting dentures,
 the elastic hardness of which is attained by pptn. harden-
 ing.

ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION

RESEARCH DIVISION										CALCULATION										RESEARCH DIVISION									
RESEARCH DIVISION										CALCULATION										RESEARCH DIVISION									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

THE INFLUENCE OF ALLOYING ELEMENTS ON THE POSITION OF THE MARTENSITE POINT, THE AMOUNT OF RETAINED AUSTENITE AND ITS STABILITY ON TEMPERING. V. I. Zyusin, V. D. Sadovskiy and S. I. Baranovich. (Metalurg, 1939, No. 10-11, pp. 75-80). (In Russian). The authors studied the effect of additions of silicon, manganese, nickel, cobalt, aluminium, copper, chromium, tungsten, vanadium and molybdenum, in amounts varying in some instances up to 8%, on the martensite point, on the amount of retained austenite and on its stability in 0.9-1% carbon steel. Manganese, chromium, molybdenum, nickel, copper, tungsten and vanadium lowered the martensite point by 55°, 15°, 30°, 17°, 10°, 12° and 36° C. respectively, for an addition of 1%. Cobalt and aluminium added to a 0.76% carbon steel raised the martensite point by 12° and 30° C. respectively, whilst silicon had no effect. All the elements except cobalt and aluminium raised the amount of retained austenite in the quenched steel, whilst cobalt and aluminium lowered it. Manganese, chromium and silicon had no marked stabilising effect on the retained austenite, but the other elements studied (in amounts up

A 30-324 METALLURGICAL LITERATURE CLASSIFICATION

to 3%) had only a slight stabilising effect. The carbide-forming elements (chromium, molybdenum, tungsten and vanadium), which produce an intermediate stability zone at 400-600° C. in the isothermal transformation of primary austenite, give in a similar manner the same stability zone in the transformation of retained austenite.

ZYUZIN, V. I.; SADOVSKY, V.D.; PARANCHUK, S.I.

The Effect of Alloying Elements on the Position of the Martensitic Point,
the Quantity of Residual Austenite and its Stability during Tempering.

Trudy UFAN 10, 119, 1941

СКОРН, В. Л.; ЧИПРАКОВА, Н. П.

The Effect of the Combination of Alloying Elements on the Kinetics of Isothermic Transformation of Austenite and the Critical Point of Hardening

Trudy IMM UFAN 5, 32, 1945.

BELOV, S.V.; ZYUZIN, V.I.

In. V.M. Bekhterev's Museum; on the 35th anniversary of
V.M. Bekhterev's death. Zhur.nevr. i psikh. 62 no.12:
1879-1881 *62

(MIRA 16:11)

*

ZYUZIN, Vladimir Ivanovich; VAGIN, A.A., red.izd-va; MIKHAYLOVA, V.V.,
tekhn. red.

[Mechanical and hoisting-conveying equipment of blast furnaces]
Mekhanicheskoe i pod"emno-transportnoe oborudovanie domennykh
tsekhov. Moskva, Metallurgizdat, 1962. 419 p. (MIRA 16:3)
(Blast furnaces--Equipment and supplies)

ZYUZIN, V.I., prof.

Development of medical science in the field of tuberculosis in the Republic. Zdrav. Kazakh. 21 no.10:6-8 '61. (MIRA 15:2)

1. Presedatel' problemnoy komissii Uchenogo soveta Ministerstva zdravookhraneniya Kazakhskoy SSR.
(KAZAKHSTAN...TUBERCULOSIS)

NIKBERG, Il'ya Moiseyevich; RAYKO, Vladimir Vladimirovich [deceased];
ZYUZIN, Vladimir Ivanovich; GOLYATKINA, A.G., red. izd-va; ISLENT'YE-
VA, P.G., tekhn. red.

[Design and operation of rolling mills] Ustroistvo i ekspluatatsiia
prokatnykh stanov. Pod obshchei red. V.I.Ziuzina. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po cherno i tsvetnoi metallurgii, 1961.
267 p.

(Rolling mills)

(MIRA 14:12)

PHASE I BOOK EXPLOITATION

SOV/4970

Zyuzin, Vladimir Ivanovich

Mekhanicheskoye oborudovaniye metallurgicheskikh tsekhov; posobiye dlya konstruktov i mekhanikov (Mechanical Equipment of Metallurgical Shops; Manual for Designers and Machinists) Moscow, Metallurgizdat, 1960. 334 p. Errata slip inserted. 7,500 copies printed.

Eds.: A.I. Gurvits, and N.A. Valov; Ed. of Publishing House: A.A. Vagin; Tech. Eds.: M.K. Attopovich, and V.V. Mikhaylova.

PURPOSE: This book is intended for designers of metallurgical equipment and for the machinists who operate such equipment. The book may also be useful to students in schools of higher education and tekhnikums who are taking the course "Mechanical Equipment of Metallurgical Shops".

COVERAGE: The book contains basic information on processes involved in the production of pig iron and steel, and in rolling, and pipe manufacture. Modern mechanical equipment used in metallurgical shops is described. Also discussed are principal trends in the introduction of modern technology in metallurgy and the

Card 1/15

Mechanical Equipment (Cont.)

SOV/4970

anticipated development of the industry. The present state and characteristic features of the metallurgical industry and the mechanical equipment used in most of the developed countries are reviewed. No personalities are mentioned. There are 14 references, all Soviet.

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3. General characteristics of the mechanical equipment of metallurgical shops 11
4. Development of ferrous metallurgy in the USSR 12

SECTION II. MECHANICAL EQUIPMENT OF BLAST-FURNACE PLANTS

Ch. I. Equipment for the Preparation of Raw Materials for Blast-Furnace Smelting

12

Card 2/13

ZYUZIN, Vladimir Ivanovich; GURVITS, A.I., red.; VALOV, N.A., red.;
VAGIN, A.A., red. izd-va; ATTOPOVICH, M.K., tekhn. red.;
MIKHAYLOVA, V.V., tekhn. red.

[Mechanical equipment of metallurgical plants; manual for
construction engineers and mechanics] Mekhanicheskoe oborudo-
vanie metallurgicheskikh tsakhov; posobie dlia konstruktorov
i mekhanikov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po
chernoi i tsvetnoi metallurgii, 1960. 334 p.

(Metallurgical plants--Equipment and supplies) (MIRA 14:1)
(Rolling mills)

ZYUZIN, V.I.

Zyuzin, V.I. "The Fifth All-Union Congress of Phthisiologists", (Moscow, September 1948), Zdravookhraneniye Kazakhstana, 1948, No. 8, p. 41-43.

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